After the Installation Procedure

This section covers the following topics:

- Verifying the Installation Procedure
- First-Time Installation
- Upgrade Installation
- Installation with Remote Adabas Database

Verifying the Installation Procedure

To verify the product entry in the PCSI database enter:

$ PRODUCT SHOW PRODUCT PRD_<*vrs*>

First-Time Installation

If you are installing Predict for the first time or in an environment where Predict is not yet installed, read the section Before You Start Installing Predict 4.2 on OpenVMS, then proceed with the method described below.

Before you proceed:

- Make sure that Natural Version 5.1.1 is installed system-wide on your OpenVMS system.
- Make sure that the Adabas database is running.

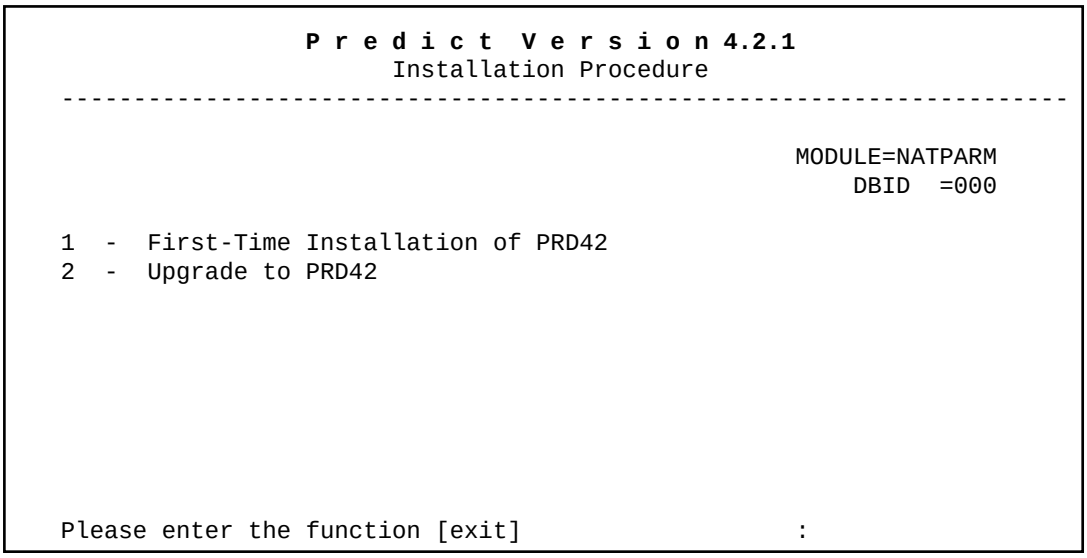
Then enter the following command to start the installation procedure:

$ SET DEF SAG$ROOT:[PREDICT.V*vrs*]

$ @SAGINST_PRD.COM

All Natural 5.1.1 versions installed under SAG$ROOT:[NATURAL] will be displayed. Select one of these versions.

The main menu will be displayed.



Enter RETURN if you want to exit the installion procedure.

Enter 1 to perform a first-time installation. The following menu appears:

```
                  P r e d i c t   V e r s i o n  4.2.1
                          Installation Procedure

 ------------------------------------------------------------------------
                                                        MODULE=NATPARM
                                                        DBID  =000
            First-Time Installation of PRD42
            ================================
            1  -  Specify ADABAS  DBID for FDIC file
            2  -  Create database file for FDIC
            3  -  Create database file for Coordinator FDIC
            4  -  Select NATURAL parameter file
            5  -  Specify installation parameters in parameter file
            6  -  Start FDIC INPL procedure (this step takes some time)
            7  -  Check log file of INPL procedure




 Please enter the function   [exit)          :
```

Enter RETURN if you want to go back to the main menu.

Procedure

To continue the installation, perform the following steps:

Step 1: Specify Adabas DBID for FDIC File

Choose function 1 from the installation menu. Specify a DBID for the FDIC file.

Step 2: Create FDIC Database File into Adabas

Choose function 2 from the installation menu. Specify a file number for the FDIC file in your database.

Please take the following space estimation into consideration:

ASSO: NISIZE~2.0MB, USIZE~0.3MB; DATA: DSSIZE~4.0MB.

Step 3 Create Database File for Coordinator FDIC

Choose function 3 from the installation menu. Specify a file number for the Coordinator FDIC.

Please take the following space estimation into consideration:

ASSO: NISIZE~5.0MB, USIZE~0.3MB; DATA: DSSIZE~4.5MB.

Step 4 Verifying the Database File Creation

This step is optional and must be performed manually.

The loading of the Predict system file and documentation data can be verified with the Adabas utility ADAREP:

```
Commands:
    adarep
    %ADAREP-I-STARTED...
    adarep:dbid=<dbid>
    %ADAREP-I-.....
    %adarep:cont
    Content of Database <dbid>

   File
    Nr    Filename         loaded on      Top ISN   MAX ISN ...
   ------------------------------------------------------------
   ....
   <FNR> FDIC42n           ......
   <FNR> COORD_FDIC42n  ......

   ...
   adarep:quit
   %ADAREP-I-TERMINATED, ...
```

Step 5: Select Natural Parameter File

Choose function 4 from the installation menu.

Enter an already existing Natural parameter file for INPL.

FNAT and FUSER in which Predict is to be installed must be contained in a parameter file. If no parameter file is specified explicitly, the default parameter file NATPARM is used.

Step 6: Specify Installation Parameters in Parameter File

Choose function 5 from the installation menu. This step calls the NATPARM utility with the parameter file specified in Step 5. Set the following parameters as required.

Note:
Natural parameters in **bold** face are required for installation. The other Natural parameters can be set at runtime.

Natural Parameters	
MADIO	Must be set to 0.
MAXCL	Must be set to 0.
FDIC, FNAT, FUSER	Enter the DBID and FNR of the current Predict system file (specified in Step 1 and Step 2) and, if not yet specified, the numbers of the Natural system files.
OPRB	OFF.
WORK	Workfiles 1, 2, 3, 4 and 5 must be specified in ASCII format for every Predict user. Workfiles must be specified in SAG$ROOT:[NATURAL.TMP]. This is the standard parameter file setting. Set different values for the environment variables for different users.

Define the library SYSLIBS as steplib of FNAT in NATENV or Environment Assignments (Natural 51np), by entering SYSLIBS and DBID and FNR of FNAT.

Note:
Your Adabas database should be active during INPL (Step 7) if you have defined the FDIC parameter. If your Adabas database will be offline during INPL, please do not define the FDIC.

Step 7: Start FDIC INPL Procedure

Choose function 6 from the installation menu to start Natural with the parameter file specified in Step 5.

If this step is successful, the message: "INPL loaded successfully." is given.
If this step is not successful, go to Step 8.

Note: This step takes some time.

Step 8: Check Log File of INPL Procedure

This step is only necessary if Step 7 was not successful.

Choose function 7 from the installation menu. The INPL logfile will be displayed.

Step 9: Define the Predict Libraries to Natural Security

This step is optional and must be performed manually.

If Natural Security is installed, perform the following steps:

- Logon to the library SYSSEC
- Call up Administrator Services > Definition of system libraries
- Enter AD next to Library ID Predict. This will define all the Predict libraries to Natural Security.

Step 10: Define Coordinator FDIC File in new SYSDIC

This step must be performed manually.

Start a Predict 4.2 online session and perform the following:

- Logon to the library SYSDIC
- Call the Function Main Menu by entering MENU
- If this is the first time during the installation process you open a Predict library, you will be asked if you want to reinstall the system defaults. To confirm the reinstallation enter EXECUTE and press ENTER for each screen.
- Call up function Defaults > Coordinator Defaults
- Specify parameters Coordinator FDIC DBnr/Fnr with the database number and file number of the Coordinator FDIC added in the previous steps.

Step 11: Load the Predict Description of the Predict System File

This step is optional and must be performed manually.

To load the Predict description of the Predict system file, assign the file PRD421.DAT to Work File 1 in your parameter module file. The file PRD421.DAT can be found in:

`SAG$ROOT:[PREDICT.Vvrs.INSTALL]`.

Start Natural with PARM=`<your parameter file>` and enter the following commands:

- LOGON SYSDICBE
- MENU
- LOAD OBJECTTYPE ALL,REPLACE=Y,ADA=N

If a previous import operation with the Coordinator terminated abnormally for any reason, the Coordinator FDIC is locked and a corresponding message is returned. Enter the following commands to clear the Coordinator FDIC:

- LOGON SYSDIC
- MENU
- SPECIAL REFRESH

Note:
You can execute this step in batch mode also.

Step 12: Load the Predict Example Data

This step is optional and must be performed manually.

To load the Predict example data, assign the file PRD421.DEM to Work File 1 in your parameter module file. The file PRD421.DEM can be found in:

```
SAG$ROOT:[PREDICT.Vvrs.INSTALL]
```

Start Natural with PARM=<your parameter file> and enter the following commands:

- LOGON SYSDICBE
- MENU
- LOAD OBJECTTYPE ALL,REPLACE=Y,ADA=N

If a previous import operation with the Coordinator terminated abnormally for any reason, the Coordinator FDIC is locked and a corresponding message is returned. Enter the following commands to clear the Coordinator FDIC:

- LOGON SYSDIC
- MENU
- SPECIAL REFRESH

Note:
You can execute this step in batch mode also.

Your first-time installation is now complete.

Upgrade Installation

Use this installation method, if you have already used a previous version of Predict, and a Predict system file (FDIC) containing data in the format of that version exists.

Warning:
Before upgrading from a previous version of Predict, please save your old FDIC files (including the Coordinator FDIC file) using the Adabas utility ADABCK or ADAORD.

Before you proceed:

- Make sure that Natural Version 5.1.1 is installed system-wide on your OpenVMS system.
- Make sure that the Adabas database is running.

Then enter the following command to start the installation procedure:

$ SET DEF SAG$ROOT:[PREDICT.V*vrs*]

$ @SAGINST_PRD.COM

All Natural 5.1.1 versions installed under SAG$ROOT:[NATURAL] will be displayed. Select one of these versions.

The main menu will be displayed.

```
                  P r e d i c t  V e r s i o n 4.2.1
                       Installation Procedure
------------------------------------------------------------------------

                                                    MODULE=NATPARM
                                                    DBID  =000

1  -  First-Time Installation of PRD42
2  -  Upgrade to PRD42









Please enter the function [exit]                    :
```

Enter RETURN if you want to exit the installion procedure.

Enter 2 to perform an upgrade installation. The following menu appears:

```
                  P r e d i c t  V e r s i o n  4.2.1
                         Installation Procedure

------------------------------------------------------------------------------
                                                          MODULE=NATPARM
                                                          DBID  =000
            Upgrade to PRD42
            ================
             8  -  Specify Adabas DBID and file number for FDIC file
             9  -  Select Natural parameter file
            10  -  Specify installation parameteres in parameter file
            11  -  Start FDIC INPL procedure (this step takes some time)
            12  -  Check log file of INPL procedure




Please enter the function   [exit)           :
```

Enter RETURN if you want to go back to the main menu.

Procedure

To continue the upgrade installation, perform the following steps.

Step 1: Specify Adabas DBID and FNR for FDIC File

Choose function 8 from the installation menu. Specify a DBID and FNR for the FDIC file.

Step 2: Select Natural Parameter File

Choose function 9 from the installation menu to select an already existing Natural parameter file for INPL. FNAT and FUSER in which Predict is to be installed must be contained in a parameter file. If no parameter file is specified explicitly, the default parameter file NATPARM is used.

Step 3: Specify Installation Parameters in Parameter File

Choose function 10 from the installation menu. This step calls the NATPARM utility with the parameter file specified in Step 2. Set the following parameters as required.

Note:
All these Natural parameters are required forthe upgrade installation.

Natural Parameters	
MADIO	Must be set to 0.
MAXCL	Must be set to 0.
FDIC, FNAT, FUSER	Enter the DBID AND FNR of the current Predict system file (specified in Step 1) and, if not yet specified, the numbers of the Natural system files.
OPRB	OFF.
WORK	Workfiles 1, 2, 3, 4 and 5 must be specified in ASCII format for every Predict user. Workfiles must be specified in SAG$ROOT:[NATURAL.TMP]. This is the standard parameter file setting. Set different values for the environment variables for different users.

Define the library SYSLIBS as steplib of FNAT in NATENV or Environment Assignments (Natural 51np), by entering SYSLIBS and DBID and FNR of FNAT.

Note:
Your Adabas database should be active during INPL (Step 4) if you have defined the FDIC parameter. If your Adabas database will be offline during INPL, please do not define the FDIC. However, when you are updating Predict (Step 7 and following steps), your Adabas database must be active, and the FDIC must be defined in the Natural parameter file.

Step 4: Start FDIC INPL Procedure

Before starting the FDIC INPL, please make sure that no INTDIC module accidentally remains in the library SYSTEM from a previous Predict installation. If one remains, please delete it manually.

Choose function 11 from the installation menu to start Natural with the parameter file specified in Step 2.

If this step is successful, the message: "INPL loaded successfully." is given.
If this step is not successful, go to Step 5.

Note: This step takes some time.

Step 5: Check Log File of INPL Procedure

This step is only necessary if Step 4 was not successful.

Choose function 12 from the installation menu. The INPL logfile will be displayed.

Step 6: Define the Predict Libraries to Natural Security

This step is optional and must be performed manually.

If Natural Security is installed, perform the following steps:

- Logon to the library SYSSEC
- Call up Administrator Services > Definition of system libraries
- Enter AD next to Library ID Predict. This will define all the Predict libraries to Natural Security.

Step 7: Define the Coordinator FDIC in the SYSDIC Manually

This step must be performed manually by starting Natural with the parameter file you specified in Step 2.

To set up your environment so you can use the Coordinator, start a Predict 4.2 online session (with the FDIC file used for Predict 4.1) and perform the following:

- Log on to the library SYSDIC
- Call the Function Main Menu by entering MENU at the NEXT prompt
- Call the function Defaults > Coordinator Defaults
- Specify the parameters Coordinator FDIC DBID/FNR with the file number and database ID of the Coordinator FDIC used for Predict 4.1.

Step 8: Specify the Conversion Defaults

This step must be performed manually by starting Natural with the parameter file you used in a previous Predict version.

Note:
Make sure that the corresponding FDIC and Coordinator FDIC assignment in your parameter module contains valid values.

To perform the data conversion enter:

- LOGON SYSDICCO
- MENU
- Select the function "Conversion defaults"

Conversion defaults are used to specify new object-type, association or retrieval-model names/codes for user-defined object types, associations or retrieval models defined in earlier versions of Predict if the old names and codes are now reserved.

The following object type, association and retrieval model names/codes are reserved in Predict Version 4.2:

Reserved Object Type	
Names	**Codes**
TRIGGER	TR
VISTA-DA	
VISTA-FI	

Reserved Retrieval Model	
Model Name	**Object Type**
AP	SY

Reserved Association		
Object Type	**Active Code**	**Passive Code**
(FI->TR)	TR	FI
(PR->FI)	IN	IP
(PR->FI)	RE	RS
(SY->SY)	CS	CS
(SY->PR)	CP	CP
(SY->VE)	CV	CV
(SY->FI)	CF	CF
(SY->SY)	LI	LI
(PR->PR)	MS	MS

Example

In Predict Version 4.1 you defined a user-defined object type with the object-type name Trigger and Code TI. In Predict Version 4.2, Trigger is the name of a predefined object type and is not permitted as a user-defined object type.

If you call the function Conversion defaults, the following screen appears:

```
13:41:46              *****  P R E D I C T  4.2.1   *****             2002-07-31
                              - Conversion Defaults -
                                                    Added 2002-07-31 at 16:03
                                                       by GER
 Object type code             Object type name              Retrieval model
                                TRIGGER ........
```

The function lists all user-defined object types which are in conflict with the new version. Because the code TI is not reserved, this does not appear in the list and does not need to be changed. You do, however, have to change the object-type name Trigger before you can convert your data from Predict Version 4.1. Enter under Object type name a new name (which is not reserved) for your user-defined object type and press ENTER.

If no reserved object type names or codes and retrieval model names or codes have been defined in your previous Predict version, press ENTER.

Step 9: Convert the Data on the Predict System File to Version 4.2 Format

This step must be performed manually by starting Natural with PARM=<your parameter file>.

This step converts Predict Version 4.1 data to Version 4.2 format. If the data on your Predict system file already is in Version 4.2 format, a corresponding message is returned.

To set up your environment so you can use the Coordinator, start a Predict 4.2 online session (using the newly installed FDIC file) and perform the following:

- Log on to the library SYSDICCO
- Call the Function Main Menu by entering MENU at the NEXT prompt.
- In the Predict Conversion Utility call the function C > Version 4.1 data

LOGON SYSDICCO
MENU
CONVERT VERSION42

Note:
You can execute this step in batch mode also.

Now the data is in Version 4.2 format. You are recommended to save your Predict system file in Version 4.2 format before proceeding with the steps below.

Step 10: Load the Predict Description of the Predict System File

This step is optional.

For further details see Step 11 in the section **First-Time Installation**.

Step 11: Load the Predict Example Data

This step is optional.

For further details see Step 12 in the section **First-Time Installation**.

Your upgrade installation is now complete.

Installation with Remote Adabas Database

This section describes how to install Predict for the first time or upgrade Predict from a previous version when the system files (FDIC, Coordinator FDIC) reside on a remote Adabas database.

Set your default directory to `SAG$ROOT:[Predict.Vvrs]` by entering the following command:

$ SET DEFAULT SAG$ROOT:[PREDICT.Vvrs]

Then execute the command procedure REMOTE_DB.COM by entering:

$ @ REMOTE_DB

This command procedure will build a set of command procedures for creating a new Predict 4.1 FDIC file and Coordinator FDIC file or updating existing older FDIC and Coordinator FDIC files residing on a remote Adabas database.

At the end, the procedure will tell you which files have to be transfered to the remote node.

REMOTE_DB.COM will prompt you for

- the installation method
- the DBID of the remote Adabas database
- the file number of the FDIC file
- the file number of the Coordinator FDIC file

While you are prompted for the parameters you can cancel the procedure by pressing RETURN.

The choice of installation method depends on the kind of installation or update to be performed.

- First-Time Installation of Predict 4.2
- Upgrade of Predict 4.1 to Predict 4.2

First-Time Installation of Predict 4.2

If you are installing Predict for the first time, perform the following steps:

- for the installation method, enter `42`
- for the remote Adabas DBID, enter the DBID of that database
- for the FDIC file number, enter the file number you want to use for the Predict 4.2 FDIC file on the remote Adabas database. Make sure this file number does not exist yet.
- for the Coordinator FDIC file number, enter the file number you want to use for the Coordinator FDIC File on the remote Adabas database. No file with this file number may already exist!

A list of four files is shown, which need to be transferred to the remote node (all to the same directory):

- REM_FDICvrs.COM
- REM_COORD_FDICvrs.COM
- COORD_FDICvrs.FDT
- FDICvrs.EXP

On the remote node, set your default directory to the directory where these four files reside.

- First execute REM_FDICvrs.COM
- Then execute REM_COORD_FDICvrs.COM
- Now proceed with Steps 4 to 12 of the First-Time Installation.

Upgrade of Predict 4.1 to Predict 4.2

If you are upgrading from Predict 4.1, perform the following steps:

- for the installation method, enter `41`
- for the remote Adabas DBID, enter the DBID of that database
- save your old FDIC files (including the Coordinator FDIC file) using the Adabas utility ADABCK or ADAORD for backup.
- for the FDIC file number, enter the file number of the existing Predict 4.1 FDIC file on the remote Adabas database (check the appropriate Natural parameter module or look for the file name FDIC_V41s)
- for the Coordinator FDIC file number, enter the file number of the existing Coordinator FDIC File on the remote Adabas database (look for file name COORD_FDIC41s)

A list of two files is shown, which need to be transferred to the remote node (all to the same directory):

- REM_UPD41_42.COM
- REM_UPD41_COORD_42.COM

On the remote node, set your default directory to the directory where these two files reside.

- First execute REM_UPD41_42.COM
- Then execute REM_UPD41_COORD_42.COM
- After that, proceed with Steps 2 to 11 of the Upgrade Installation.

